J. Electroanal. Chem., 282 (1990) 298
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Author index

Anxolabéhère, E. 275
Aurbach, D. 73
Avila, J.L. 189

Bard, A.J. 107, 239
Barsch, U. 175
Baruzzi, A.M. 267
Beck, F. 175

Camacho, L. 189
Cimrová, V. 123
Claes, P. 229
Contamin, O. 141
Coowar, F. 141
Costa, S.M.B. 201, 215

Dan, P. 73
Degrand, C. 281
Dewilde, Y. 229

Ferreira, M.I.C. 201, 215
Foontikov, A.M. 253

Girault, H.H. 59
Glibert, J. 229

Hapiot, P. 275

Inganäs, O. 123

Kazarinov, V.E. 253
Kepley, L.J. 239
Koczorowski, Z. 51
Kwak, J. 239

Lacaze, P.-C. 287
Lee, C. 239

Malik, Y. 73
Meitav, A. 73
Millar, J. 33
Moorhead, E.D. 1
Moslih, J. 287
Mulder, W.H. 27
Muñoz, A. 189

Nešpůrek, S. 123

Paleska, I. 51
Papeř, V. 123
Pham, M.-C. 287
Prest, R. 281

Riga, J. 141

Saakes, M. 161
Savéant, J.-M. 275
Savy, M. 141
Scarbeck, G. 141
Shao, Y. 59
Simões Gonçalves, M.L.S. 201, 215
Simon, M. 287
Sluyters, J.H. 27, 161
Sluyters-Rehbach, M. 161
Stephens, M.M. 1

Tsirlina, G.A. 253

Ühlken, J. 267

Van den Ham, D. 141
Verbist, J.J. 141
Villemure, G. 107
Viseu, M.I. 201, 215

Williams, G.V. 33

Zagórska, I. 51

J. Electroanal. Chem., 282 (1990) 298
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Author index

Anxolabéhère, E. 275
Aurbach, D. 73
Avila, J.L. 189

Bard, A.J. 107, 239
Barsch, U. 175
Baruzzi, A.M. 267
Beck, F. 175

Camacho, L. 189
Cimrová, V. 123
Claes, P. 229
Contamin, O. 141
Coowar, F. 141
Costa, S.M.B. 201, 215

Dan, P. 73
Degrand, C. 281
Dewilde, Y. 229

Ferreira, M.I.C. 201, 215
Foontikov, A.M. 253

Girault, H.H. 59
Glibert, J. 229

Hapiot, P. 275

Inganäs, O. 123

Kazarinov, V.E. 253
Kepley, L.J. 239
Koczorowski, Z. 51
Kwak, J. 239

Lacaze, P.-C. 287
Lee, C. 239

Malik, Y. 73
Meitav, A. 73
Millar, J. 33
Moorhead, E.D. 1
Moslih, J. 287
Mulder, W.H. 27
Muñoz, A. 189

Nešpůrek, S. 123

Paleska, I. 51
Papeř, V. 123
Pham, M.-C. 287
Prest, R. 281

Riga, J. 141

Saakes, M. 161
Savéant, J.-M. 275
Savy, M. 141
Scarbeck, G. 141
Shao, Y. 59
Simões Gonçalves, M.L.S. 201, 215
Simon, M. 287
Sluyters, J.H. 27, 161
Sluyters-Rehbach, M. 161
Stephens, M.M. 1

Tsirlina, G.A. 253

Ühlken, J. 267

Van den Ham, D. 141
Verbist, J.J. 141
Villemure, G. 107
Viseu, M.I. 201, 215

Williams, G.V. 33

Zagórska, I. 51

J. Electroanal. Chem., 285 (1990) 299–301
Elsevier Sequoia S.A., Lausanne – Printed in The Netherlands

Subject index

Acetylcholine
Kinetics of the transfer of acetylcholine across the water + sucrose/1,2-dichloroethane interface (Shao, Girault) 59
Alkali hydroxides
Chemical and electrochemical behaviour in molten alkali hydroxides. Part V. Electrochemistry and chemistry of the chalcogens at oxidation state IV in the NaOH + KOH (49 mol%) eutectic mixture at 483 K (Claes et al.) 229
Aromatic diselenides
Direct eletrochemical synthesis of symmetrical aromatic diselenides and ditellurides by $S_{NR}1$ substitution using Se and Te electrodes (Degrand and Prest) 281
Aromatic ditellurides
Direct eletrochemical synthesis of symmetrical aromatic diselenides and ditellurides by $S_{NR}1$ substitution using Se and Te electrodes (Degrand and Prest) 281
Aromatic hydrocarbons
Formal oxidation potentials of aromatic hydrocarbons in *N,N'*-dimethylformamide. Correlation with vertical ionization potentials (Anxolabéhère et al.) 275

Cadmium ion
The inhibition of Cd(II) reduction at the DME from aqueous 1 M $NaClO_4$ by sucrose (Saakes et al.) 161
Carbon black
O_2 electrocatalysis in acid media on iron naphthalocyanine impregnations. Effect of nitric acid treatment on different carbon black supports (Coowar et al.) 141
Cephalosporins
Description and interpretation of the exponentially shaped waves yielded in the polarographic reduction of cephalosporins at high concentrations in acid media (Muñoz et al.) 189
Chalcogens
Chemical and electrochemical behaviour in molten alkali hydroxides. Part V. Electrochemistry and chemistry of the chalcogens at oxidation state IV in the NaOH + KOH (49 mol%) eutectic mixture at 483 K (Claes et al.) 229
Charge-transfer coefficients
Plasma electroreflection on platinum and true charge-transfer coefficients (Kazarinov et al.) 253
Clay modified electrodes
Clay modified electrodes. Part 9. Electrochemical studies of the electroactive fraction of adsorbed species in reduced-charge and preadsorbed clay films (Villemure, Bard) 107
Copper ion
Formation and cathodic re-reduction of Cu(III) states in Y–Ba–Cu perovskites (Beck, Barsch) 175
Current interruption potentiostat
Current interruption potentiostat for elimination of the *IR* drop in four-electrode systems (Baruzzi and Ühlken) 267

1,2-Dichloroethane
Kinetics of the transfer of acetylcholine across the water + sucrose/1,2-dichloroethane interface (Shao, Girault) 59
Volta potentials in the water/1,2-dichloroethane and water/nitroethane systems (Zagórska et al.) 51
N,N'-Dimethylformamide
Formal oxidation potentials of aromatic hydrocarbons in *N,N'*-dimethylformamide. Correlation with vertical ionization potentials (Anxolabéhère et al.) 275

Exponentially shaped waves
Description and interpretation of the exponentially shaped waves yielded in the

polarographic reduction of cephalosporins at high concentrations in acid media (Muñoz et al.) 189

Fast differential ramp voltammetry
Fast differential ramp voltammetry: a new voltammetric technique designed specifically for use in neuronal tissue (Millar, Williams) 33

Finite element Galerkin/B-Spline (GBS) numerical model
A finite element Galerkin/B-Spline (GBS) numerical model of electrochemical kinetics, transport, and mechanism for multi-geometry working electrodes. Part II. A study of quasi-reversible linear sweep voltammetry (Moorhead, Stephens) 1

Fractal carpet structure
The admittance of smooth electrodes with a fractal carpet structure (Mulder, Sluyters) 27

Galerkin/B-Spline (GBS) numerical model
A finite element Galerkin/B-Spline (GBS) numerical model of electrochemical kinetics, transport, and mechanism for multi-geometry working electrodes. Part II. A study of quasi-reversible linear sweep voltammetry (Moorhead, Stephens) 1

Glassy carbon
Polymer films on electrodes. Part 23. Ellipsometric study of the electrochemical redox processes of a thionine film on a glassy carbon electrode (Lee et al.) 239

IR drop
Current interruption potentiostat for elimination of the *IR* drop in four-electrode systems (Baruzzi and Ühlken) 267

Iron naphthalocyanine
O_2 electrocatalysis in acid media on iron naphthalocyanine impregnations. Effect of nitric acid treatment on different carbon black supports (Coowar et al.) 141

Linear sweep voltammetry
A finite element Galerkin/B-Spline (GBS) numerical model of electrochemical kinetics, transport, and mechanism for multi-geometry working electrodes. Part II. A study of quasi-reversible linear sweep voltammetry (Moorhead, Stephens) 1

Methanol
In situ IR study by MIRFTIRS of adsorption and oxidation of methanol on sputtered Pt electrodes in sulphuric acid solution (Pham et al.) 287

2-Methyltetrahydrofuran
The electrochemical behaviour of 2-methyltetrahydrofuran solutions (Malik et al.) 73

Multi-geometry working electrodes
A finite element Galerkin/B-Spline (GBS) numerical model of electrochemical kinetics, transport, and mechanism for multi-geometry working electrodes. Part II. A study of quasi-reversible linear sweep voltammetry (Moorhead, Stephens) 1

Neuronal tissue
Fast differential ramp voltammetry: a new voltammetric technique designed specifically for use in neuronal tissue (Millar, Williams) 33

Nitric acid
O_2 electrocatalysis in acid media on iron naphthalocyanine impregnations. Effect of nitric acid treatment on different carbon black supports (Coowar et al.) 141

Nitroethane
Volta potentials in the water/1,2-dichloroethane and water/nitroethane systems (Zagórska et al.) 51

Non-ionic micelles
Mechanism of the electrochemical reduction of tetrazolium blue in non-ionic micelles. Part I. Polarography (Viseu et al.) 201
Mechanism of the electrochemical reduction of tetrazolium blue in non-ionic micelles. Part II. Cyclic voltammetry and controlled-potential coulometry (Viseu et al.) 215

Oxidation potentials
Formal oxidation potentials of aromatic hydrocarbons in *N,N'*-dimethylformamide. Correlation with vertical ionization potentials (Anxolabéhère et al.) 275

Oxygen
O_2 electrocatalysis in acid media on iron naphthalocyanine impregnations. Effect of nitric acid treatment on different carbon black supports (Coowar et al.) 141

Plasma electroreflection
Plasma electroreflection on platinum and true

charge-transfer coefficients (Kazarinov et al.) 253

Platinum
In situ IR study by MIRFTIRS of adsorption and oxidation of methanol on sputtered Pt electrodes in sulphuric acid solution (Pham et al.) 287
Plasma electroreflection on platinum and true charge-transfer coefficients (Kazarinov et al.) 253

Polymer films
Polymer films on electrodes. Part 23. Ellipsometric study of the electrochemical redox processes of a thionine film on a glassy carbon electrode (Lee et al.) 239

Poly(*N*-vinylcarbazole)
Electrochemical preparation and study of thin poly(*N*-vinylcarbazole) layers (Papež et al.) 123

Selenium
Direct electrochemical synthesis of symmetrical aromatic diselenides and ditellurides by $S_{NR}1$ substitution using Se and Te electrodes (Degrand and Prest) 281

Smooth electrodes
The admittance of smooth electrodes with a fractal carpet structure (Mulder, Sluyters) 27

$S_{NR}1$ substitution
Direct electrochemical synthesis of symmetrical aromatic diselenides and ditellurides by $S_{NR}1$ substitution using Se and Te electrodes (Degrand and Prest) 281

Sodium hydroxide + potassium hydroxide eutectic mixture
Chemical and electrochemical behaviour in molten alkali hydroxides. Part V. Electrochemistry and chemistry of the chalcogens at oxidation state IV in the NaOH + KOH (49 mol%) eutectic mixture at 483 K (Claes et al.) 229

Sodium perchlorate
The inhibition of Cd(II) reduction at the DME from aqueous 1 M $NaClO_4$ by sucrose (Saakes et al.) 161

Sucrose
The inhibition of Cd(II) reduction at the DME from aqueous 1 M $NaClO_4$ by sucrose (Saakes et al.) 161
Kinetics of the transfer of acetylcholine across the water + sucrose/1,2-dichloroethane interface (Shao, Girault) 59

Sulphuric acid
In situ IR study by MIRFTIRS of adsorption and oxidation of methanol on sputtered Pt electrodes in sulphuric acid solution (Pham et al.) 287

Tellurium
Direct electrochemical synthesis of symmetrical aromatic diselenides and ditellurides by $S_{NR}1$ substitution using Se and Te electrodes (Degrand and Prest) 281

Tetrazolium blue
Mechanism of the electrochemical reduction of tetrazolium blue in non-ionic micelles. Part I. Polarography (Viseu et al.) 201
Mechanism of the electrochemical reduction of tetrazolium blue in non-ionic micelles. Part II. Cyclic voltammetry and controlled-potential coulometry (Viseu et al.) 215

Thionine
Polymer films on electrodes. Part 23. Ellipsometric study of the electrochemical redox processes of a thionine film on a glassy carbon electrode (Lee et al.) 239

Vertical ionization potentials
Formal oxidation potentials of aromatic hydrocarbons in *N*,*N*′-dimethylformamide. Correlation with vertical ionization potentials (Anxolabéhère et al.) 275

Volta potentials
Volta potentials in the water/1,2-dichloroethane and water/nitroethane systems (Zagórska et al.) 51

Water/1,2-dichloroethane interface
Volta potentials in the water/1,2-dichloroethane and water/nitroethane systems (Zagórska et al.) 51

Water/nitroethane interface
Volta potentials in the water/1,2-dichloroethane and water/nitroethane systems (Zagórska et al.) 51

Water + sucrose/1,2-dichloroethane interface
Kinetics of the transfer of acetylcholine across the water + sucrose/1,2-dichloroethane interface (Shao, Girault) 59

Yttrium–barium–copper perovskites
Formation and cathodic re-reduction of Cu(III) states in Y–Ba–Cu perovskites (Beck, Barsch) 175